

## CLAIMS

We claim:

1. A method of obtaining a molecule that homes to a selected organ, comprising the steps of:

5           a. administering to a subject a library of diverse molecules;

          b. collecting a sample of the selected organ; and

10           c. identifying a molecule that homes to said selected organ.

2. The method of claim 1, wherein each of said diverse molecules is linked to a tag.

3. The method of claim 2, wherein said tag is a support.

15           4. The method of claim 1, wherein said library is a phage display library.

5. The method of claim 4, wherein said molecule is a peptide.

20           6. The method of claim 1, wherein said selected organ is selected from the group consisting of brain and kidney.